

Information about the Companion Website for *Elementary Linear Algebra, 5th edition*

by Stephen Andrilli and David Hecker, published by Elsevier / Academic Press

The **Companion Website** contains the following:

- Student Solutions Manual

This manual is available for purchase by students who are using the text. It contains full solutions for all exercises in the textbook bearing a ★, as well as proofs for many of the theorems whose proofs were left as exercises (these are marked in the text with the symbol ►).

- Web Sections

There are seven “virtual” sections of the textbook available for downloading from this website. Their purpose is to supplement the core material in the text. They provide expansions of topics already in the text, further applications, and some theoretical topics beyond the scope of the text itself. The web sections are as follows:

1. *Lines and Planes and the Cross Product in \mathbb{R}^3* (prerequisite: Section 1.2)
2. *Change of Variables and the Jacobian* (prerequisite: Section 3.1)
3. *Function Spaces* (prerequisite: Section 4.7)
4. *Max-Min Problems in \mathbb{R}^n and the Hessian Matrix* (prerequisite: Section 6.3)
5. *Jordan Canonical Form* (prerequisites: Sections 5.6 and 7.2)
6. *Solving First-Order Systems of Linear Homogeneous Differential Equations* (prerequisites: Jordan Canonical Form (web section), and Section 8.8)
7. *Isometries on Inner Product Spaces* (prerequisites: Sections 5.5, 6.3, 7.4, 7.5)

- Student Solutions Manual for Web Sections

This manual is available (at no cost) for students who are using any of the companion web sections. It contains full solutions for all exercises in the web sections bearing a ★, as well as proofs for many of the theorems whose proofs were left as exercises (these are marked in the text with the symbol ►).

There is also an **Instructor’s Website** for the textbook which contains the following additional material:

- Instructor’s Manual
- Instructor’s Manual for Web Sections